

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 03207518 A

(43) Date of publication of application: 10.09.91

(51) Int. Cl

B21B 45/06

(21) Application number: 02002180

(71) Applicant: SUMITOMO METAL IND LTD

(22) Date of filing: 09.01.90

(72) Inventor: TESHIGAWARA SATOSHI
MATUDA YUKIO

(54) DESCALING METHOD FOR HOT ROLLED STEEL STRIP COPYRIGHT: (C)1991,JPO&Japio

(57) Abstract:

PURPOSE: To reduce the equipment cost, to decrease the occupied space for equipment and to improve the efficiency of descaling by specifying the center line mean roughness of the surface of steel strip by applying rolling reduction to the hot rolled steel strip, radiating the electric discharging arc to the surface and then pickling it.

CONSTITUTION: The steel strip 1 is rolled with the roll 21 with dull incorporated in the rolling mill 2, the crack is generated on the surface of steel strip and fine ruggedness are simultaneously formed and the center line mean roughness Ra of the surface of steel strip is made to $0.5\text{--}5\mu\text{m}$. Next, the steel strip 1 is irradiated with the electric discharging arc from the discharging electrode 4 during passing in the insulating liquid 5 and the crack number of surface is increased. At final, the steel strip 1 is subjected to pickling in the pickling tank. Therefore, the good descaling is executed and the time required for the descaling can be shortened.

